hp-Pressure-regulating valve with modulating kit

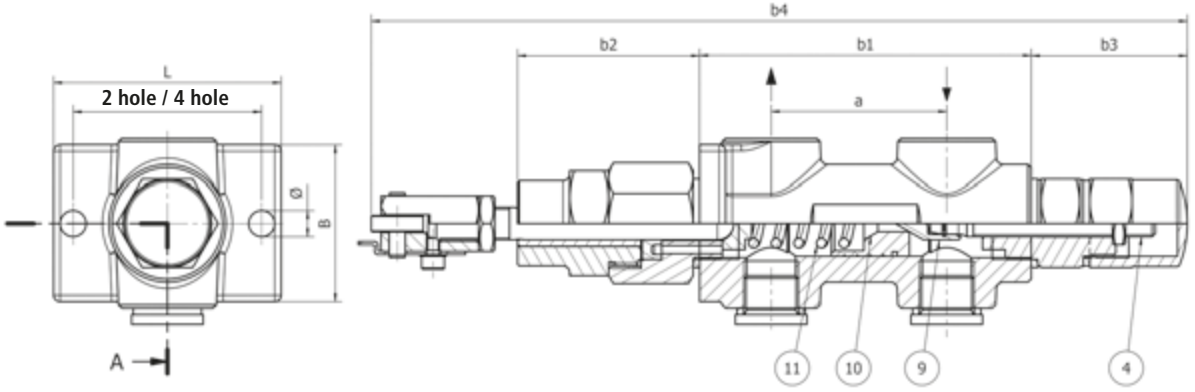
Usage: with modulating kit

With the pressure regulating valve the oil quantity on the bypass of the burner is set, which is required to achieve the relevant nozzle or burner performance.

Maximum temperature of fluid medium: 150 °C.

Material: Casing made of hydraulic cast iron (GGG40)
piston, valve tip, spring of hardened steel.

Model	Possible pressure stages for each model	Connection	Flow range l/h	Viscosity range cSt	Item No.	Weight (kg)
DRV 18 EL	2 = 2 - 18 bar 3 = 6 - 25 bar	G 3/8"	300 -600	2.8 to 480	025 0202	1.5
DRV 19 EL		G 3/4"	1000 -2000	2.8 to 480	025 0206	3
DRV 21 S		G 3/8"	300 -600	2.8 to 480	025 0210	1.5
DRV 22 S		G 3/4"	1000 -2000	2.8 to 480	025 0214	3



Pressure setting:

The return oil flows into the pressure chamber of the pressure regulating valve, situated between the piston (10) and valve cone (9). On the drain side are situated the piston (10) and the spring (11). This spring is compressed more or less by the shaft that is supported in the guide bushing, depending on the burner performance. The greater the pressure on the spring, the greater the pressure in the bypass and therefore the nozzle consumption.

The basic setting is put on the regulating screw 4. Clockwise rotation corresponds to an increase in pressure, counterclockwise to a pressure reduction.
Positions: **4** Regulating screw | **9** Valve cone | **10** Piston | **11** Spring

Size table

Model	a	b1	b2	b3	b4	Flange dimensions L	B	Hole pattern		Ø
DRV 18 EL + 21 S	54	102	56	46	250	70	48	58	2 hole	8
DRV 19 EL + 22 S	63	119	76	46	300	70	70	54 x 54	4 hole	8

For installation, operation and maintenance, follow the operating instructions that come with each piece of equipment.